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## Claims

- 1. An eductor comprising a venturi structure (3), an air gap (5) across which in air gap operational mode a liquid jet is passed to the venturi structure (3) and a removable non-return valve (19) located in the air gap (5), whereby the eductor is convertible between air gap operational mode and non-return valve operational mode.
- 2. An eductor according to claim 1, wherein in air gap operational mode the eductor has a nozzle to provide said liquid jet, the nozzle being removable and replaced by the non-return valve (19) on conversion.
- 3. An eductor according to claim 1 or claim 2, wherein the non-return valve has an outlet (29) providing in use a fluid jet directed into the venturi structure.
- 4. An eductor according to any one of claims 1 to 3, wherein the non-return valve provides a sealed first flow path across the air gap when open for liquid flow to the venturi structure and provides a second flow path for back flow from the venturi structure into the air gap out of the non-return valve when said first flow path is closed.

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- 5. A non-return valve cartridge (19) adapted to be removably installed in an air gap (5) of an eductor (1) having an air gap and a venturi inlet zone (6), wherein the non-return valve cartridge comprises an inlet (21) adapted to receive water from a supply line (10) and an outlet (29) adapted to deliver water to the venturi inlet zone (6) and a non-return valve between the inlet (21) and outlet (29).
- 6. A non-return valve cartridge according to claim 5, wherein the outlet comprises a sealing surface to provide sealing contact with the venturi inlet zone.
- 7. A non-return valve cartridge according to either claim 5 or claim 6, wherein the inlet comprises a sealing surface to provide sealing contact with the supply line.
- 8. A non-return valve cartridge according to claim 5, 6 or 7 which when installed provides a sealed first flow path across the air gap when open for liquid flow to the venturi structure and provides a second flow path for back flow from the venturi structure into the air gap out of the non-return valve when said first flow path is closed.

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- 9. A method of adapting an air gap eductor having a venturi mixing portion (3) and an air gap (5), comprising installing a non-return valve (19) in said air gap.
- 10. A method according to claim 9, wherein the air gap eductor comprises a nozzle for directing a water jet and the method comprises the step of removing the nozzle from the eductor.